

This diagram shows a cross-sectional view of a multi-layered substrate assembly. The top layer contains two circular openings labeled 31i and 31v. Below this is another layer with rectangular openings labeled 32i and 32v. The bottom layer features larger rectangular openings labeled 3f and 3tr. A central vertical channel is formed by layers 31, 32, and 3f. To the left, a separate component 1 is shown, which includes a base 1b and side walls 1a. This component is positioned above a larger rectangular frame 6. Inside frame 6, there are two vertical pillars 5g and 5b, and a horizontal bar 7. The entire assembly is supported by a base plate 9.

FIG. 2

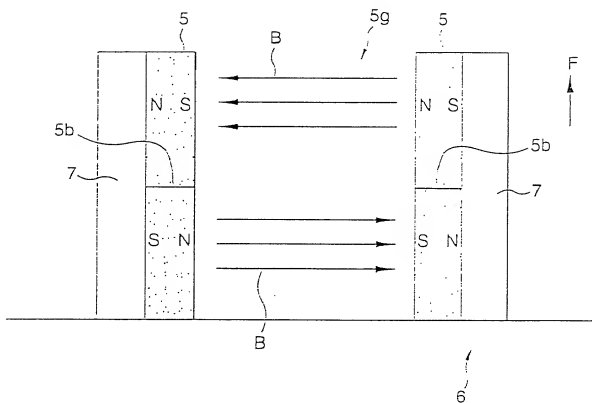


FIG. 3

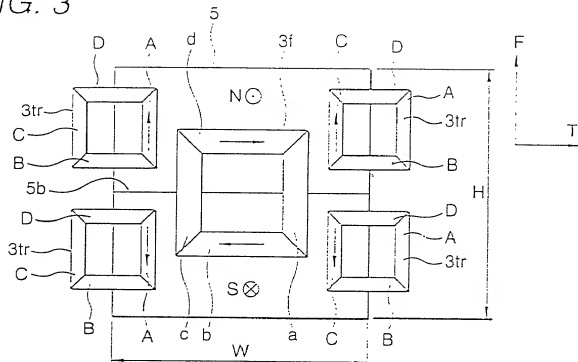


FIG. 4

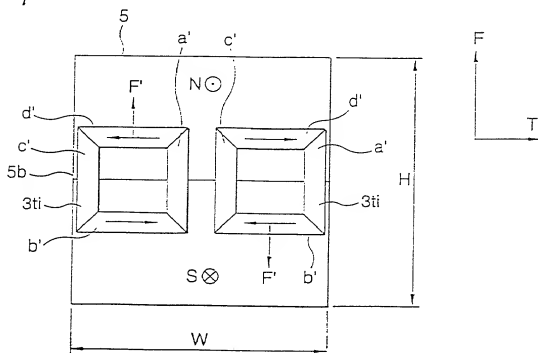


FIG. 5

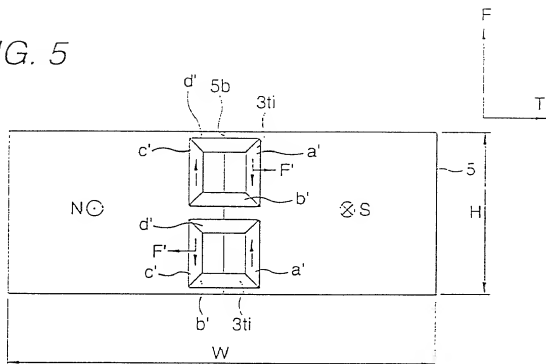


FIG. 6

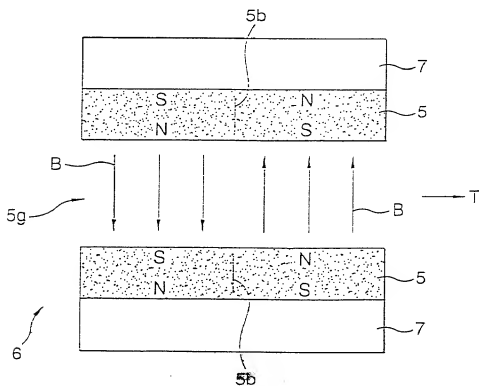


FIG. 7

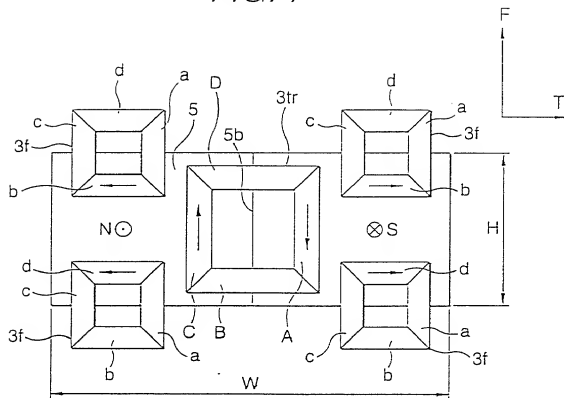


FIG. 8

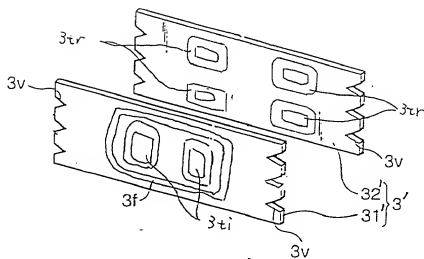


FIG. 9

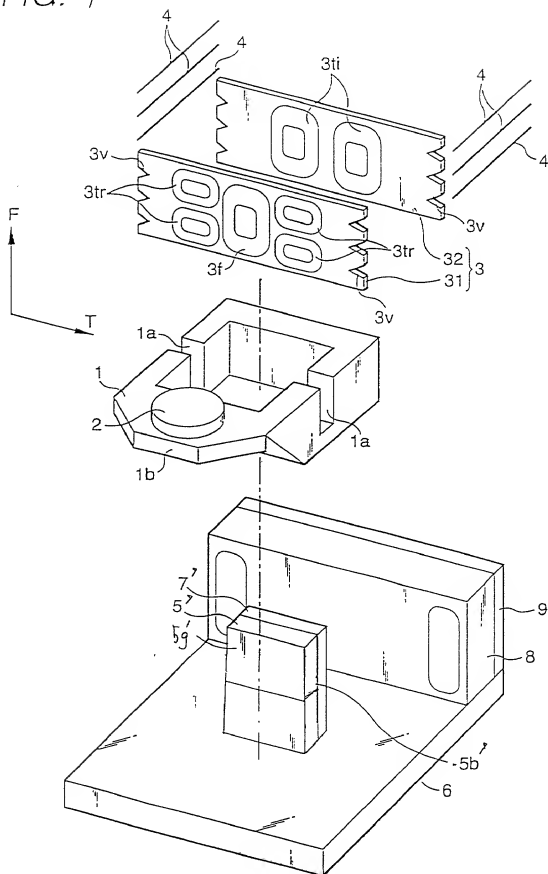
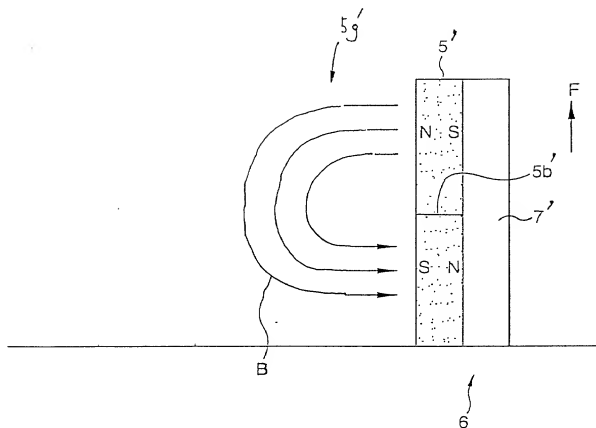


FIG. 10



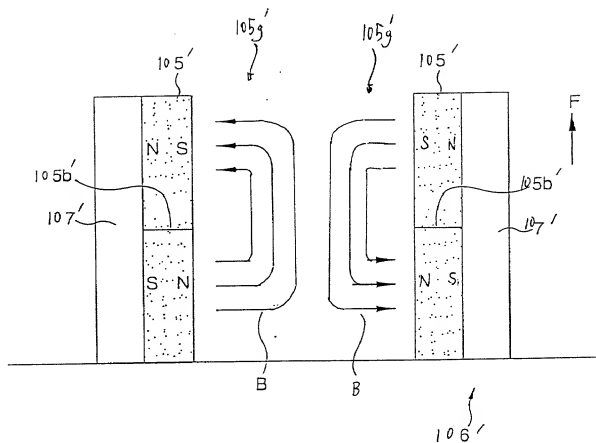






A schematic diagram of a magnetic head assembly. Two sliders, labeled 105' and 105g', are positioned above a disk surface 106'. Each slider has a leading edge 105b' and a trailing edge 107'. The sliders are divided into two sections: the upper section is labeled 'N S' and the lower section is labeled 'S N'. Magnetic field lines, represented by arrows, are shown passing through the sliders and interacting with the disk surface. A vertical arrow labeled 'F' indicates a force or pressure applied to the sliders. The entire assembly is mounted on a base labeled 'B'.

FIG. 13B



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FIG. 14

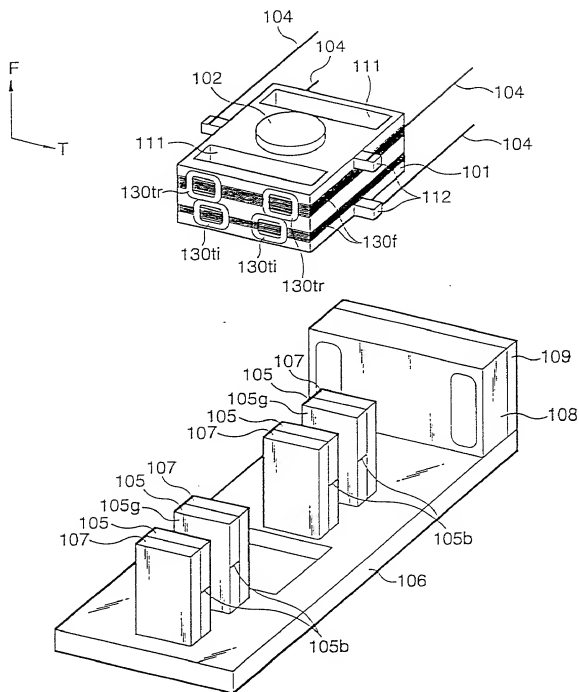


FIG. 15

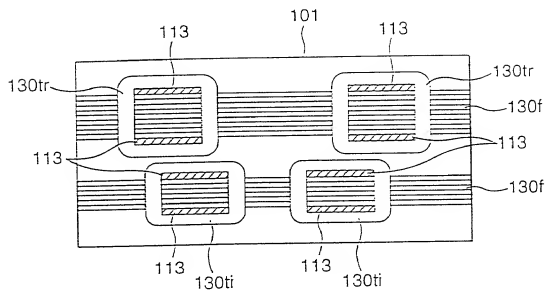
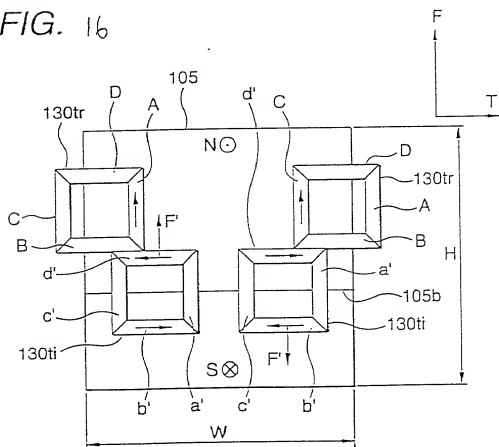


FIG. 16



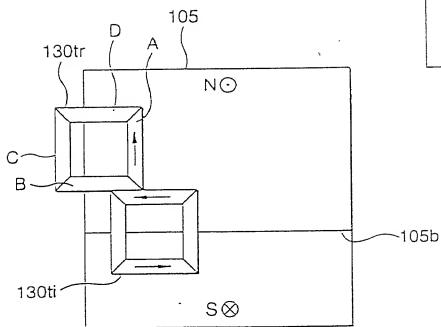








FIG. 20

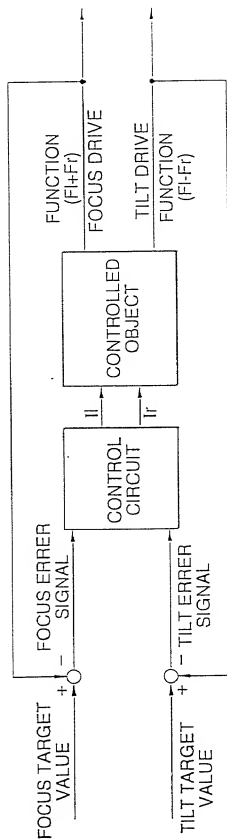


FIG. 21A

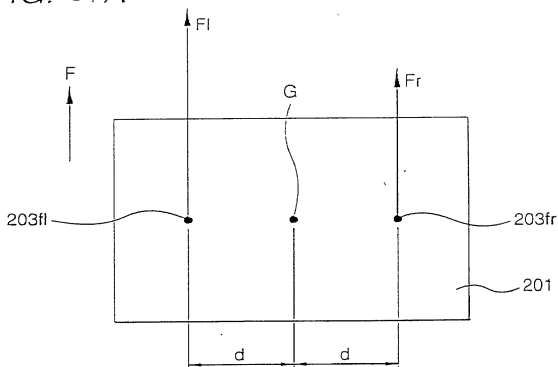


FIG. 21B

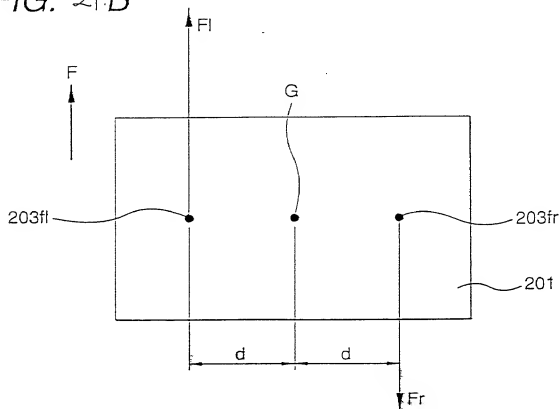


FIG. 22

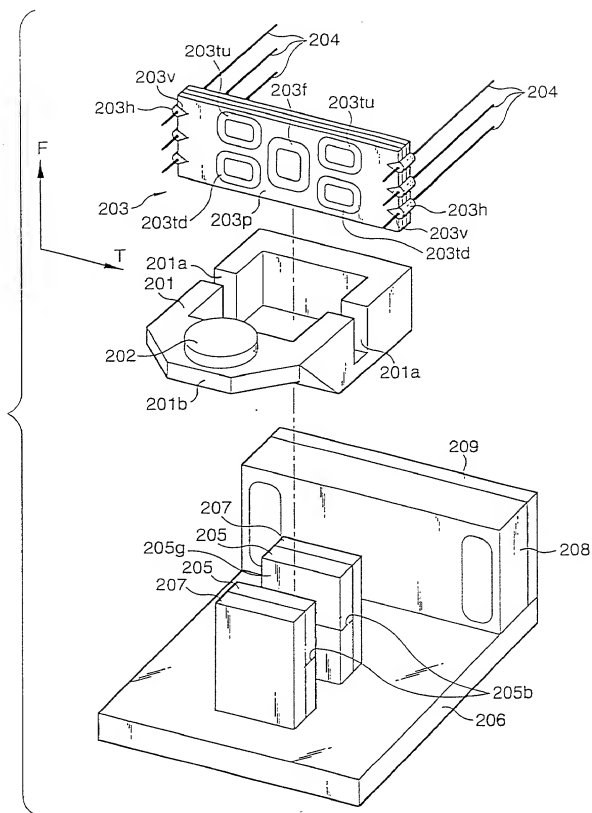


FIG. 23

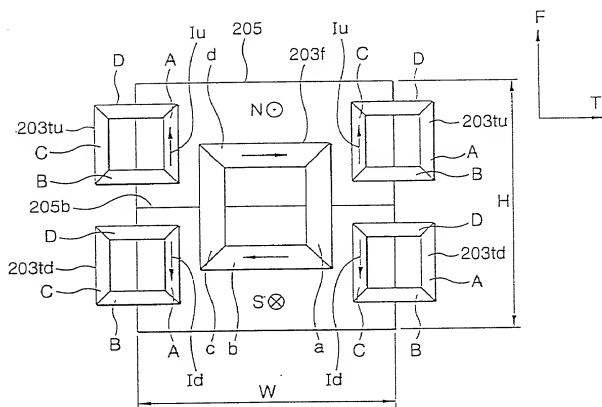




FIG. 25

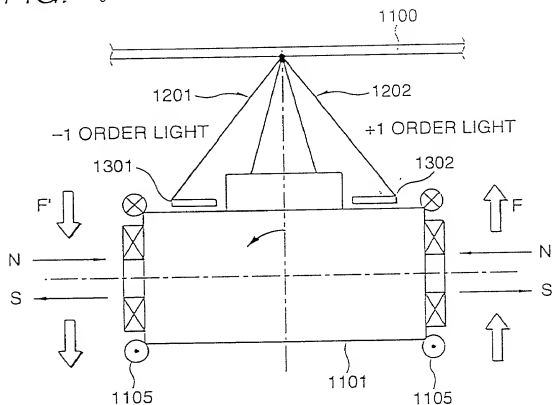


FIG. 26

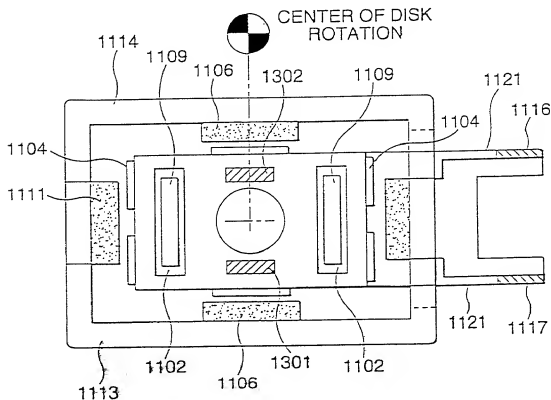


FIG. 27

